308/989

Subject Bibliography

SB-308
SEPTEMBER 20, 1989

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CIVIL AND STRUCTURAL ENGINEERING

BRIDGES AND DAMS

Bridge Inspector's Training Manual. *Issued with perforations.* 1979: 247 p.; ill. 1984-repr.
TD 2.8:B 76/6/979 — S/N 050-002-00106-0 — $6.50

Culvert Inspection Manual: Supplement to the above. *Provides practical procedures for the inspection and rating of various types of highway culverts. Intended for hydraulic, bridge, and maintenance engineers, technicians, and inspectors.* 1986: 215 p.; ill.
TD 2.36:86-2 — S/N 050-001-00300-7 — $10.00

Inspection of Fracture Critical Bridge Members: Supplement to the above. *Provides information on planning, inspecting, and documenting the inspection of fracture critical bridge members. Also explains the importance of the inspections.* 1986: 233 p.; ill.
TD 2.36:86-26 — S/N 050-001-00302-3 — $11.00

Concrete Manual: A Manual for the Control of Concrete Construction. *Published primarily for use by the Bureau's construction engineers and inspectors. Supplies engineering data and outlines methods and procedures to be followed in administering construction specifications and contracts.* 1988: 663 p.; ill. revised ed.
S/N 024-003-00141-4 — $18.00

Design of Small Dams. *Presents instructions, standards, and procedures for use in the design of small dams. Intended to serve primarily as a guide to safe practices for those concerned with the design of small dams in public works programs in the United States. Also provides engineers with information and data necessary for the proper design of small dams.* 1987: 902 p. Clothbound
I 27.19/2:D 18/987 — S/N 024-003-00164-3 — $27.00

Forest Service Specifications for Construction of Roads and Bridges. *Developed for use in the preparation and administration of contracts for the construction of roads and bridges on the National Forest Development Road System, under public works contracts or as a condition of timber sale contracts. This book contains the standard specifications that commonly apply in public works and timber sales contracts.* 1985: 384 p. looseleaf.
A 13.84/2:7720-100 LL — S/N 001-001-00611-4 — $15.00

Seismic Design of Highway Bridges: Workshop Manual. *Provides information on designing bridges meant to outlive earthquakes. The material was originally used for two pilot workshops on seismic analysis.* 1981: 578 p.; ill.
TD 2.36:81-2 — S/N 050-001-00213-2 — $12.00

Standard Plans for Highway Bridges: Volume 2, Structural Steel Superstructures. 1982: 26 leaves; ill.
TD 2.8:B 76/3/v.2 — S/N 050-001-00255-8 — $4.25

Water Power in the Wilderness: The History of Bonneville Lock and Dam. *Provides a history of the planning and building of the Bonneville Dam on the Columbia River in Oregon. The building of Bonneville Dam was a Depression era project that employed large numbers of unemployed laborers and engineers to achieve long-term navigation and hydropower benefits.* 1988: 79 p.; ill.
D 103.2:B 64/5 — S/N 008-022-00251-1 — $3.75

DESIGN MANUALS

Design Manuals. *This series, written only for experienced architects and engineers, presents basic criteria for structural engineering design, and specific design criteria used in designing facilities under the cognizance of the Naval Facilities Engineering Command. Also included is the direction and standards for procedures, methods, dimensions, materials, loads, and stresses. Issued with perforations.*

Foundations and Earth Structures. 1986: 270 p.; ill.
D 209.14/2:7.02 — S/N 008-050-00221-2 — $8.00

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Soil Mechanics 1989: 382 p.; ill. — S/N 008-050-00237-9 — $17.00

HYDRAULICS

Design of Small Canal Structures, 1978 *Contains information on the general requirements and design considerations, conveyance structures, regulating structures, protective structures, water measurement structures, and other related topics concerning the design of small canal structures.* 1987: 457 p.; ill. repr. Clothbound — S/N 024-003-00126-1 — $26.00
I 27.2:C 16/8/978

Drainage of Highway Pavements *Provides guidelines and design procedures for the drainage of highway pavements. Issued with perforations.* 1984: 152 p.; ill. — S/N 050-001-00280-9 — $5.50
TD 2.30/4:84-202

Hydraulic Design of Highway Culverts *Presents culvert design methods for both conventional culverts and culverts with inlet improvements. Combines culvert design information previously published in three Hydraulic Engineering Circulars, Numbers 5, 10, and 13 with additional information.* 1985: 272 p.; ill. — S/N 050-001-00298-1 — $9.50
TD 2.33:5

Hydrology *Intended to help highway engineers analyze and design highway drainage structures.* 1985: 364 p.; ill. revised ed. — S/N 050-001-00306-6 — $17.00
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MANAGEMENT

Architect-Engineer and Related Services Questionnaire for Specific Project, Standard Form 255 1983: 12 p. Sold in Pads of 20 only — S/N 022-001-00112-1 — $6.50
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Architect-Engineer and Related Services Questionnaire, Standard Form 254 1983: 7 p. Sold in Pads of 25 only — S/N 022-001-00111-2 — $4.50
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Engineered Performance Standards for Real Property Maintenance Activities *Issued with perforations.*

Carpentry Handbook 1981: 429 p.; looseleaf. — S/N 008-050-00218-2 — $10.00
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Electric, Electronic Handbook 1982: 282 p.; looseleaf. — S/N 008-050-00217-4 — $7.50
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Machine Shop, Machine Repairs Handbook 1983: 396 p. — S/N 008-050-00227-1 — $6.00

Federal Engineer Damsites to Missile Sites: A History of the Omaha District, United States Army Corps of Engineers:

Cloth 1988: 289 p.; ill. — S/N 008-022-00250-2 — $25.00
D 103.2:F 31

Paper 1988: 289 p.; ill. — S/N 008-022-00249-9 — $18.00
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Navy Civil Engineer *(Quarterly.) Features articles on the Navy's worldwide shore establishments, including technical articles on planning and designing, construction, maintenance, public works, utilities, transportation, Navy housing and real estate, and the Naval Civil Engineering Laboratory. Covers research and development, disaster control, and features articles on Civil Engineer Corps officers and the Seabees. Subscription price: Domestic - $5.50 a year; Foreign - $6.90 a year. Single copy price: Domestic - $1.75 a copy; Foreign - $2.19 a copy. (NCE) (File Code 2Q)* — S/N 708-043-00000-1
D 209.13:

Shore Protection Manual, Volume 1 and 2 *Chapters cover the following topics: Introduction to Coastal Engineering; Mechanics of Wave Motion; Wave and Water Level Predictions; Littoral Processes; Planning Analysis; Volume 2-Structural Features; Structural Design; Physical Factors; and Engineering Analysis; Case Study. Includes a glossary, a list of symbols, miscellaneous tables and plates, and an index.* 1984: 2 bks. (1307 p.); ill. — S/N 008-022-00218-9 — $22.00
D 103.6/5:Sh 7/3/984/v.1-2

MISCELLANEOUS

Airport Drainage *Provides guidance for engineers, airport managers, and the public in the design and maintenance of airport drainage systems. Issued with perforations.* 1970: 82 p.; ill. 1988-repr. — S/N 050-007-00149-5 — $5.50
TD 4.8/5:150/5320-5 B

Boiler Technician 1 and C. *Provides advanced training for boiler technicians on topics such as fireroom maintenance auxiliary machinery and propulsion plant operations.* 1985: 158 p.; ill. revised ed.
D 207.208/2:B 63/6/985 — S/N 008-047-00379-0 — $6.50

Construction Equipment Ownership and Operating Expense Schedule:

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Region 12 1988: 190 p.; ill.
D 103.43:1110-1-8/v.12/988 — S/N 008-022-00265-1 — $13.00

Design Guide for Rural Substations. *Provides engineering personnel with information covering all aspects of transmission and distribution substations through 230 kV, including structural, electrical, and mechanical aspects of substation construction and sections on layout, major equipment and maintenance. Issued with perforations.* 1978: 739 p.; ill.
A 68.3:65-1/2 — S/N 001-010-00063-8 — $15.00

Engineering Geology Field Manual. *Presents the requirements and procedures for the collection of geologic data obtained by the Bureau of Reclamation.* 1989: 616 p.; ill.
S/N 024-003-00168-6 — $23.00

Engineering Geology Office Manual: Basic Concepts and Procedures. *Presents the requirements and procedures for the collection of geologic data obtained by the Bureau of Reclamation.* 1988: 64 p.; ill.
I 27.19/2:En 3 — S/N 024-003-00166-0 — $3.50

Engineering, Scientific, and Related Occupations. *Gives the employment outlook for: aerospace, chemical, civil, electrical, electronics, industrial, mechanical, mining, nuclear, and petroleum engineers; agricultural scientists; biological scientists; foresters and conservation scientists; chemists; geologists and geophysicists; meteorologists; physicists and astronomers; drafters; engineering technicians; science technician; and surveyors.* 1988: 25 p.; ill.
L 2.3/4a:2300-3 — S/N 029-001-02946-2 — $1.75

Guidelines and Procedures for Maintenance of Airport Pavements. *Intended primarily for use at small- and medium-sized airports, this publication provides specific guidelines and procedures for maintaining airport pavements and establishing an effective maintenance program.* 1982: 191 p.; ill. looseleaf.
TD 4.8/5:150/5380-6 — S/N 050-007-00627-6 — $7.00

Public Roads, A Journal of Highway Research and Development. *(Quarterly.) Contains many articles relating to highway research, engineering, safety on the highways, surfacing, and other subjects in this field. Subscription price: Domestic - $6.00 a year; Foreign - $7.50 a year. Single copy price: Domestic - $2.00 a copy; Foreign - $2.50 a copy. (PR) (File Code 2C)*
TD 2.19: — S/N 750-005-00000-4

Stability Design of Grass-Lined Open Channels. *Presents the state-of-the-art in grass-lined channel design. Intended for use by engineers and technicians directly involved in planning, designing, or maintaining open channels where vegetation can be used as a lining for erosion protection. Also includes monographs and calculator/computer programs as design aids.* 1987: 175 p.; ill.
A 1.76:667 — S/N 001-000-04504-1 — $8.50

Standard Specifications for Construction of Trails *Presents specifications needed for the construction of trails. Table of contents includes: general specifications, earthwork drainage, structures, surfacing, incidental construction, and materials. Issued with perforations.* 1984: 109 p.; ill. **S/N 001-001-00610-6** **$5.50**

Wood Handbook: Wood as an Engineering Material *Provides engineers, architects, and others with a source of information on the physical and mechanical properties of wood and how these properties are affected by variations in the wood itself.* 1987: 468 p.; ill. Cloth-bound **S/N 001-000-04456-7** **$27.00**

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